

EDUCATIONAL QUALIFICATIONS

Year	Degree	Institute/School	CGPA / %
2016-2020	B. Tech (Electronics & Communication Engineering)	The LNM Institute of Information Technology, Jaipur	7.49
2016	Senior Secondary (XII)	Eden International School, Bhilwara	84.8%
2014	Secondary (X)	St. Anselm's Sr. Sec. School, Bhilwara	8.8

WORK EXPERIENCE

Machine Learning Intern - IDfy, Mumbai

(May'19–July'19)

IDfy builds products for person identification, authentication and fraud detection

- Developed in-house OCR using Transfer Learning and increased revenue of the product by 70%
- Built Aadhaar Number Masking Service with an accuracy of 98.76% and a TAT of 1.04 sec
- Implemented RabbitMQ message queues, created and maintained Docker containers on GCP clusters

Web Developer Intern - IDfy, Mumbai

(May'18–July'18)

- Increased email deliverability rate by implementing Gmail API
- Revamped usage of Google Maps Static API in web app and reduced cost
- Implemented and integrated MailCatcher to test sending email

KEY PROJECTS

Face Recognition

(Mar'19–Apr'19)

Technologies Used: Python, OpenCV, Keras, Tensorflow

- Extracted face embeddings for each face in the dataset using pre-trained OpenFace model
- Trained a Neural Network on the face embeddings to recognize faces with an accuracy of 90%

Event Prediction using Sentiment Analysis

(Feb'19–Apr'19)

Technologies Used: Python, NLP, Twitter API

- Developed a system that predicts the sentiment of Twitter users towards a specific event/keyword
- Collected live tweets using Twitter Streaming API, used NLTK for tokenizing and TextBlob for classification

Fotoxo – A Photo Storing App

(Feb'19-Mar'19)

Technologies Used: Ruby on Rails, PostgreSQL, AWS S3, Sendgrid, Heroku

- Implemented Sendgrid for sending account verification emails
- Used Stripe for receiving card payments from users and AWS S3 Bucket for storing images in production

Hand Gesture Recognition

(Feb'19-Mar'19)

Technologies Used: Python, OpenCV

- Extracted and segmented hand region from live video by thresholding
- Count the number of fingers from the segmented hand region by using Convex Hull

Sudoku Solver using OpenCV

(Nov'18-Dec'18)

Technologies Used: Python, OpenCV, Keras, Tensorflow

- Extracted sudoku from an image by cropping and warping the largest contour detected in the image
- Trained a Neural Network over 60,000 images to identify each digit and store it in a 2D matrix
- Final solution of sudoku is calculated using Backtracking Algorithm

ACHIEVEMENTS

- Won the first prize in a 36hours Hackathon at IDfy, Mumbai
- Secured 23rd/3740 in Analytics Vidhya - India ML Hiring Hackathon 2019

COURSES

Digital Image Processing, Machine Learning A-Z (Udemy), Deep Learning A-Z (Udemy), CNN for Visual Recognition (CS231n Stanford), Deep Learning Specialisation (Andrew Ng), RoR Developer Course (Udemy), React (Udemy)

SKILLS

- **Programming Skills:** Python, Ruby, Golang, C, SQL, MATLAB
- **Other Skills:** Tensorflow, OpenCV, Docker, RabbitMQ, Git, Heroku, Adobe Illustrator

LINKS

- **LinkedIn:** [linkedin.com/in/aakashjhawar](https://www.linkedin.com/in/aakashjhawar)
- **GitHub:** github.com/aakashjhawar
- **Github Page:** aakashjhawar.github.io
- **Medium Blogs:** medium.com/@aakashjhawar